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Component feeding apparatus

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(Objectives) The objective is to supply the components to the apparatus without halting the operation of the apparatus. This is achieved by dividing the component feeding table into a plurality of divided tables, and positioning only the divided table, which faces a transportation mechanism, into a predetermined position.

(Configuration) Main body base 11 includes linear guide 12 mounted on its upper surface, the guide extruding from the surface, and groove 14 formed along the longitudinal direction of the base 11, which is used for introducing the linear motor 13. The component table, which runs on the base 11, consists of divided tables 15 (15a - 15e), the divided table being formed by dividing the component table into a plurality of portions and running individually on the guide 12. Among the divided tables 15, only the table facing rotary head 3 working as the transportation mechanism, 15b in this case, runs repeatedly to predetermined positions with high accuracy. Other tables (15a, 15c - 15e) move toward both ends of the base 11 and rest there. As the positioning with high speed and high accuracy is needed only at the vicinity of the L portion 20 of the head 3, it is possible to supply the components to the resting divided tables during the operation of the apparatus.

